

CLEARFIL™ **LINER BOND 2V**

RESIN-BASED DENTAL ADHESIVE SYSTEM

CLEARFIL LINER BOND 2V offers excellent versatility

All of the strength and convenience of CLEARFIL LINER BOND 2, plus greatly enhanced versatility - that's what CLEARFIL LINER BOND 2V provides. CLEARFIL LINER BOND 2V, the original self-etching dual-cure bonding agent, can be effectively used with:

- Light-cured composite restorations
- Chemical-cured composite restorations
- Hypersensitivity treatment
- Pretreatment cavity sealing for indirect restoration
- Bonded amalgam restorations
- Intraoral repair of fractured porcelain restorations using light-cured composite
- Cementing porcelain or composite inlays/onlays using resin cement
- Bonding to metal and porcelain when used with CLEARFIL PORCELAIN BOND ACTIVATOR and ALLOY PRIMER

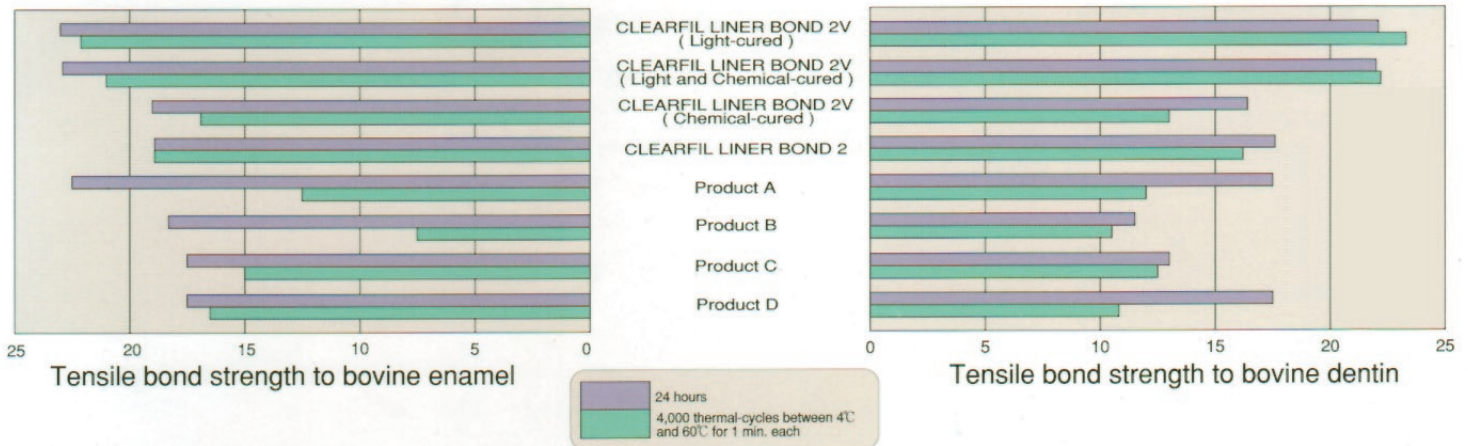
With the improved bond strength to enamel and dentin, the self-etching function and the addition of dual-cure component, Kuraray Co.,Ltd is proud to provide the answers to bonding solution - CLEARFIL LINER BOND 2V.



Bond Strength

Both Primer and Bond contain the proven adhesive monomer MDP (10-Methacryloyloxydecyl dihydrogen phosphate), which is used in PANAVIA 21 and CLEARFIL LINER BOND 2, for high bond strength and durability. CLEARFIL LINER BOND 2V bonds strongly to enamel, dentin, metals and porcelains thanks to MDP.

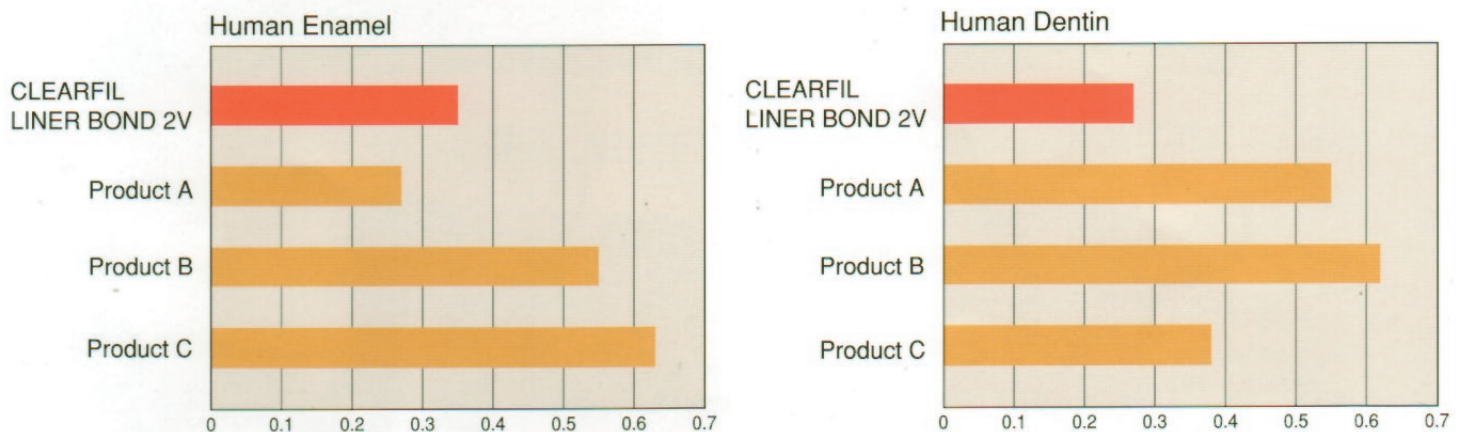
Tensile bond strength (MPa)



Marginal Sealing

CLEARFIL LINER BOND 2V offers improved sealing properties and protection from marginal microleakage. In the table below, the lower score indicates less leakage. Even under the severe test conditions shown here, CLEARFIL LINER BOND 2V shows excellent marginal sealing.

Class V box cavity in human molar

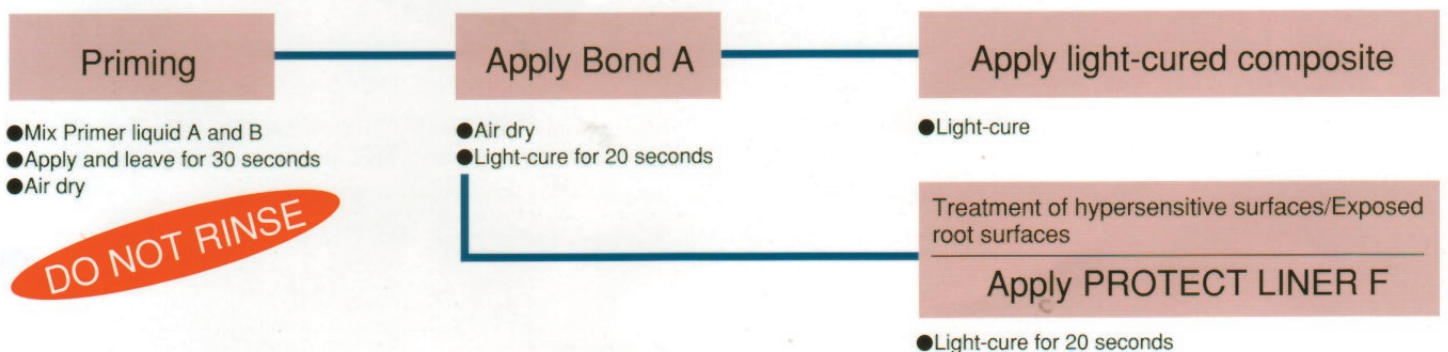


After 125 thermal-cycles between 4°C and 60°C for 30 seconds each and 10,000 times repeated strokes of 12kgf load. (90 strokes per min.)
 (T.Maseki et.al, Bonding of the New Resin Adhesive Systems to the Cervical Region, The Japanese Journal of Conserv. Dent. Vol. 40, Spring Issue (A-44), 1997)

Easy Handling

CLEARFIL LINER BOND 2V is the original dual-cured, self-etching bonding agent. This means no rinsing, no double coating, no blotting are necessary.

Basic procedure step



PROTECT LINER F is a fluoride releasing, low viscous composite resin which has wear resistance as high as that of MFR composite resin.

Multi-use

CLEARFIL LINER BOND 2V can be used as a chemical-cured, dual-cured, as well as a light-cured bonding system. In addition, by adding CLEARFIL PORCELAIN BOND ACTIVATOR, CLEARFIL LINER BOND 2V bonds to porcelain as well. Furthermore, ALLOY PRIMER enhances the bond strength to metals. The newly developed component, Bond B, promotes this special chemical curing function.


Direct restorations using light-cured composite

Cavity sealing as a pre-treatment for indirect restoration

Treatment of hypersensitive surfaces/
Exposed root surfaces


Primer Liquid A & B

- mix
- apply
- leave for 30 sec.
- air dry



Bond Liquid A

- apply
- air dry
- light-cure for 20 sec.



Apply light-cured composite

Apply PROTECT LINER F

Direct restorations using chemical-cured composite

Bonded amalgam restorations

Primer Liquid A & B

- mix
- apply
- leave for 30 sec.
- air dry



Bond Liquid A & B

- mix
- apply
- air dry
- light-cure for 20 sec. if necessary



Apply chemical-cured composite

Condense the amalgam mixture into the cavity

(Intraoral) repairs of fractured porcelain facing crowns using light-cured composite

Porcelain surface treatment

K-ETCHANT GEL

- apply
- leave for 5 sec.
- rinse and dry



Metal surface treatment

ALLOY PRIMER*

- apply and dry

*Use ALLOY PRIMER when precious metal is repaired



Primer Liquid A & B and CLEARFIL PORCELAIN BOND ACTIVATOR

- mix
- apply
- leave for 5 sec.
- air dry



Bond Liquid A

- apply
- air dry
- light-cure for 20 sec.



Apply light-cured composite

CLEARFIL PHOTO OPAQUER*

- Apply
- light-cure

*Use CLEARFIL PHOTO OPAQUER when metal is exposed

Cementing inlays and onlays made of porcelain or composite using composite resin cement

Porcelain surface treatment

K-ETCHANT GEL

- apply
- leave for 5 sec.
- rinse and dry



Primer Liquid A & B and CLEARFIL PORCELAIN BOND ACTIVATOR

- mix
- apply
- leave for 5 sec.
- air dry



Tooth surface treatment

Primer Liquid A & B

- mix
- apply
- leave for 30 sec.
- air dry



Bond Liquid A & B

- mix
- apply
- air dry



Cementing with CLEARFIL DC CEMENT

COMPONENTS



CLEARFIL™ LINER BOND 2V

Kit

- CLEARFIL LINER BOND 2V Primer
Liquid A, Liquid B (6ml each)
- CLEARFIL LINER BOND 2V Bond
Liquid A (5ml)
- Disposable brush tips (50 pieces x 2)
- Brush tip handle
- Mixing dish
- Sponge pledget
- System tray
- Light shade

Available Separately



Chemical-cure Component
CLEARFIL LINER BOND 2V Bond
Liquid B (3ml)

Related Products



Silane Coupling Agent
**CLEARFIL
PORCELAIN BOND
ACTIVATOR** (4ml)



Metal Adhesive Primer
ALLOY PRIMER
(5ml)



Light-cured Fluoride Releasing
Low Viscosity Resin
**CLEARFIL LINER BOND 2
PROTECT LINER F** (2ml)

NOTE:

Please read CLEARFIL LINER BOND 2V Instructions for Use thoroughly before using the product.
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